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			nsionality nce assign	NMR spec ment.	troscopy fo	r high-thr	oughput
PubMed Services	Szypers	ki T, Yeh	DC, Sukun	aran DK, M	Ioseley HN, I	Montelione	GT.
	•			Structural Bi persk@chem.l		University of	New York,
Related Researces	experime Even wh the high limited" dependir a multidi measure powerfu	ents is pre ien using s spectral re and "sens ing on whe imensiona ment time I approach	sented for rashort measuresolution requitivity limited ther the sample NMR expension. We show that to avoid the	lity (13)C,(15) pid and compement times, to uired for efficient data collect pling of the interior per senat reduced-die "sampling linallows one to	these experiment automate ion regimes a direct dimensionality mited regime'	esonance assignents allow or ed analysis. " re defined, re- tions or the sign of the minimally NMR spectrals."	ignment. ne to retain Sampling espectively, ensitivity of required coscopy is a dard set of

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assignments from these reduced-dimensionality NMR data.

measurement times to sensitivity requirements. This is of particular interest in view of the greatly increased sensitivity of NMR spectrometers equipped with cryogenic probes. As a step toward fully automated analysis, the program AUTOASSIGN has been extended to provide sequential backbone and (13)C(beta) resonance

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